1. A data structure encoded on a computer readable medium, comprising:

first data indicating an identity of a subscriber of a tracking service;

second data indicating one or more subscriber selected and defined alarm conditions,

said alarm conditions indicating dorditions under which one or more alarm events associated

with a device occur, the one or more alarm events corresponding to at least one of an

environment, movement, and operation of the device; and

third data indicating one or more methods of contacting said subscriber in the event

said one or more alarm events occur.

2. The data structure of claim 1, further comprising:

fourth data indicating a permissible geographic area associated with said device.

7. The data structure of claim 2, wherein said third data further indicates one or more

methods of contacting said subscriber in the event said device roams outside of said

permissible geographic area.

A. The data structure of claim A, further comprising:

fifth data associated with said one or more methods of contacting said subscriber,

said fifth data indicating an order of selecting said one or more methods when contacting said

subscriber.

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5. A system for notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:

means for receiving subscriber identity data identifying a subscriber of said service; means for receiving one or more subscriber selected and defined alarm conditions; means for receiving data associated with at least one of an environment, movement, and operation of a first communication device;

means for comparing said data with said alarm conditions to determine an occurrence of one or more alarm events; and

means for communicating an alarm even notification to the subscriber at a second communication device based on said comparison.

6. A method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:

receiving subscriber identity data identifying a subscriber of said service;

receiving one or more subscriber selected and defined alarm conditions;

receiving data associated with at least one of an environment, movement, and operation of a first communication device,

comparing said data with said alarm conditions to determine an occurrence of one or more alarm events; and

communicating an alarm event notification to the subscriber at a second communication device based on said comparison.

- The method of claim 6, wherein said data comprises at least one of acceleration, oxygen level, temperature, pulse rate, and blood oxygen level data.
- 8. The method of claim 6, further comprising: receiving sensor data from sensors associated with said first communication device.
- The method of claim \$, further comprising: comparing said sensor data with said alarm conditions to determine an occurrence of one or more alarm events; and

communicating an alarm event notification to the subscriber at said second communication device based on said comparison.

The method of claim 6, wherein said one or more subscriber defined alarm conditions 10. includes one or more geographic boundaries associated with a location of said first communication device.

The method of claim 19, wherein said one or more subscriber defined alarm 12 yr. conditions includes time period data corresponding to each of said one or more geographic boundaries.

A tracking server, comprising: a memory configured to store instructions; and a processor configured to:

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receive one or more subscriber selected and defined alarm conditions; receive data associated with at least one of an environment, movement and operation of a first communication device;

one or more alarm events; and

communicate an alarm event notification to a second communication device based on said comparison.

receive subscriber identity data identifying a subscriber of said service;

compare said data with said alarm conditions to determine an occurrence of

13. A computer-readable medium containing instructions for controlling at least one processor to perform a method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:

receiving subscriber identity data identifying a subscriber of said service;

receiving one or more subscriber selected and defined alarm conditions;

receiving data associated with at least one of an environment, movement and operation of a first communication device;

comparing said data with said alarm conditions to determine an occurrence of one or more alarm events; and

communicating an alarm event notification to the subscriber at a second communication device based on said comparison.

A method of notifying a subscriber of an event notification service of an occurrence of 14. one or more alarm events, comprising:

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receiving data associated with at least one of an environment, movement and

operation of a first communication device;

comparing said that with subscriber-selected and defined alarm conditions; and communicating an alarm event notification to a second communication device based on said comparison, wherein said second communication device is selected from a plurality of subscriber-designated communication devices.

15. The method of claim 14, wherein said data is associated with at least one of an acceleration, an oxygen level, a temperature, a pulse rate, and a blood oxygen level.

16. The method of claim 14, further comprising:
receiving sensor data from sensors associated with said first communication device.

The method of claim 16, further comprising:

comparing said sensor data with said subscriber-selected alarm conditions; and communicating an alarm event notification to a second communication device based on said comparison, wherein said second communication device is selected from a plurality of subscriber-designated communication devices.

18. The method of claim 14, wherein said subscriber-selected alarm conditions include one or more geographic boundaries associated with a location of said first communication device.

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The method of claim 18, wherein said subscriber-selected alarm conditions includes 19. time period data corresponding to each of said one or more geographic boundaries.

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A computer-readable medium containing instructions for controlling at least one 20. processor to perform a method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising:

receiving data associated with at least one of an environment, movement and operation of a first communication device;

comparing sald data with subscriber-selected and defined alarm conditions; and communicating an alarm event notification to a second communication device based on said comparison, wherein said second communication device is selected from a plurality of subscriber-designated communication devices.

21. A first communication device, comprising: a memory configured to store executable instructions; and at least one processor configured to:

receive data associated with at least one of an environment, movement and operation of a second communication device;

compare said data with subscriber-selected and defined alarm conditions; and communicate an alarm event notification to a third communication device based on said comparison, wherein said third communication device is selected from a plurality of subscriber-designated communication devices.

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22. A method of tracking a communication device, comprising:

receiving a set of subscriber-defined alarm conditions associated with said communication device;

receiving location and sensor data associated with the communication device;
comparing said location and sensor data with each alarm condition of said set of subscriber-defined alarm conditions; and

indicating an occurrence of one or more alarm events based on said comparison.

23. A computer-readable medium containing instructions for controlling at least one processor to perform a method of tracking a communication device, comprising:

receiving a set of subscriber-defined alarm conditions associated with said communication device;

receiving location and sensor data associated with the communication device; comparing said location and sensor data with each alarm condition of said set of subscriber-defined alarm conditions; and

indicating an occurrence of one or more alarm events based on said comparison.

- 24. A first communication device, comprising:
 - a memory configured to store executable instructions; and

at least one processor configured to:

receive a set of subscriber-defined alarm conditions associated with a second

5 communication device;

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receive location and sensor data associated with the second communication device;

compare said location and sensor data with each alarm condition of said set of subscriber-defined alarm conditions; and

indicate an occurrence of one or more alarm events based on said comparison.

graphical user interface for subscribing to a tracking and notification service, the 25. graphical user interface manipulating data entry groups that perform actions on a database, comprising:

a first activation area on the graphical user interface for activating creation of a first data entry group, a first graphical area associated with said first data entry group requesting identifier information of a subscriber of said tracking and notification service, said first data entry group accepting user entry of said subscriber identifier information upon activation; and

a second activation area on the graphical display activating creation of a second data entry group, a second graphical area associated with said second data entry group displaying a plurality of alarm conditions associated with a device, said second data entry group accepting user selection of one or more of said plurality of alarm conditions upon activation.

26. The graphical user interface of claim 25, further comprising:

a third activation area on the graphical display for activating creation of a third data entry group, a third graphical area associated with said third data entry group requesting parameters for each user selected alarm condition, said parameters specifying limits on said

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alarm conditions, said third data entry group accepting user entry of said parameters upon activation.

- 27. The graphical user interface of claim 25, further comprising:
- a third activation area on the graphical display for activating creation of a third data entry group, a third graphical area associated with said third data entry group requesting data indicating one or more permissible geographic areas, said permissible geographic areas specifying boundaries on a location of said device, said third data entry group accepting user entry of said one or more permissible geographic areas upon activation.
- 28. The graphical user interface of claim 25, further comprising:

 a third activation area on the graphical display for activating creation of a third data

entry group, a third graphical area associated with said third data entry group requesting data indicating one or more methods of contacting said subscriber, said third data entry group

accepting user entry of said one or more contact methods upon activation.

29. A method for subscribing to a tracking and notification service, comprising:

communicating a request for subscriber information from a first communication

device, said request including a set of alarm conditions for selection by a subscriber; and

transmitting subscriber information from a second communication device in response

5 to said request, said subscriber information including one or more subscriber-selected alarm

conditions associated with a third communication device.

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- 30. A system for subscribing to a tracking and notification service, comprising:
 - a first communication device;
 - a second communication device; and
 - a third communication device, wherein said third communication device receives a
- request for subscriber information from said first communication device, the request including a set of subscriber-selectable alarm conditions, and transmits the subscriber information in response to said request, said subscriber information including one or more subscriber-selected alarm conditions associated with said second communication device.
 - 31. A method of notifying a subscriber of an event notification service of an occurrence of one or more alarm events, comprising

receiving a customized set of alarm conditions from a subscriber of said service; sensing parameters associated with at least one of an environment, movement and operation of a communication device;

comparing said customized set of alarm conditions with said sensed parameters; and notifying said subscriber of an occurrence of one or more alarm events based on said comparison.

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